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Abstract

Single-chain forms of the glycoprotein hormone quartet, at least some members of which are found in most vertebrates, are disclosed. The  $\alpha$  and  $\beta$  subunits of the wild-type heterodimers or their variants or their fragments are covalently linked, optionally through a linker moiety. Some of the single-chain forms are agonists and others antagonists of the glycoprotein hormone activity.

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